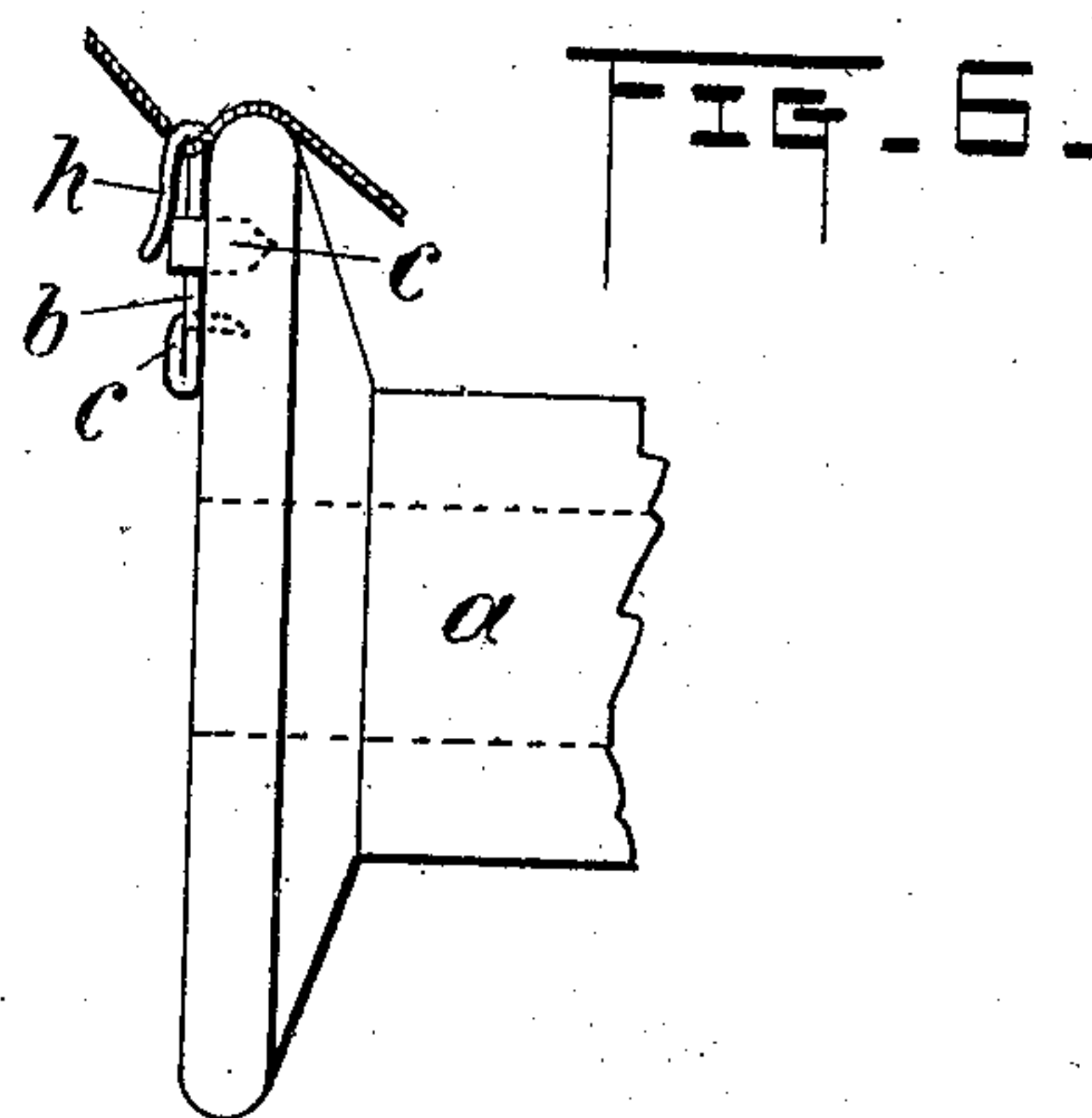
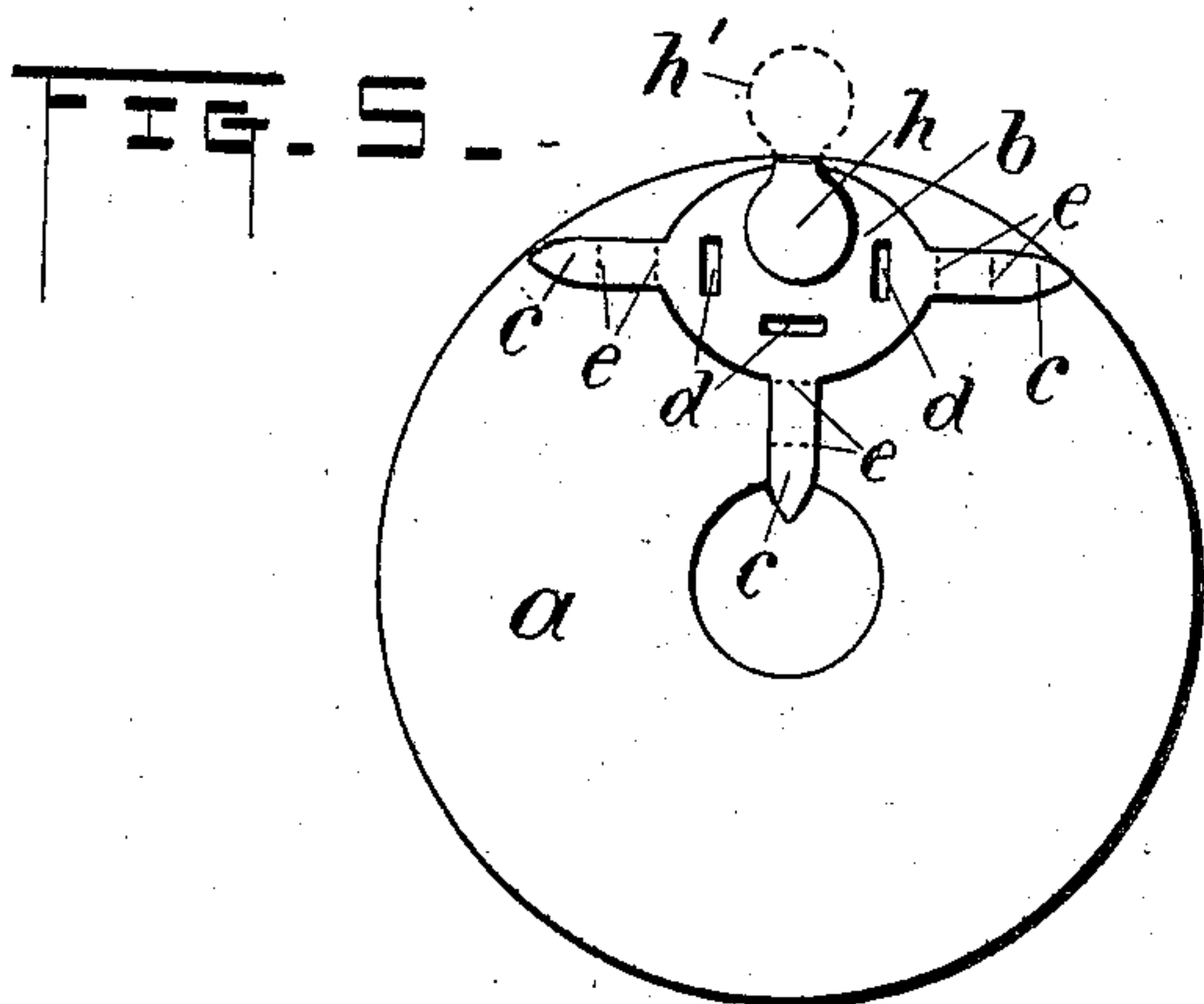
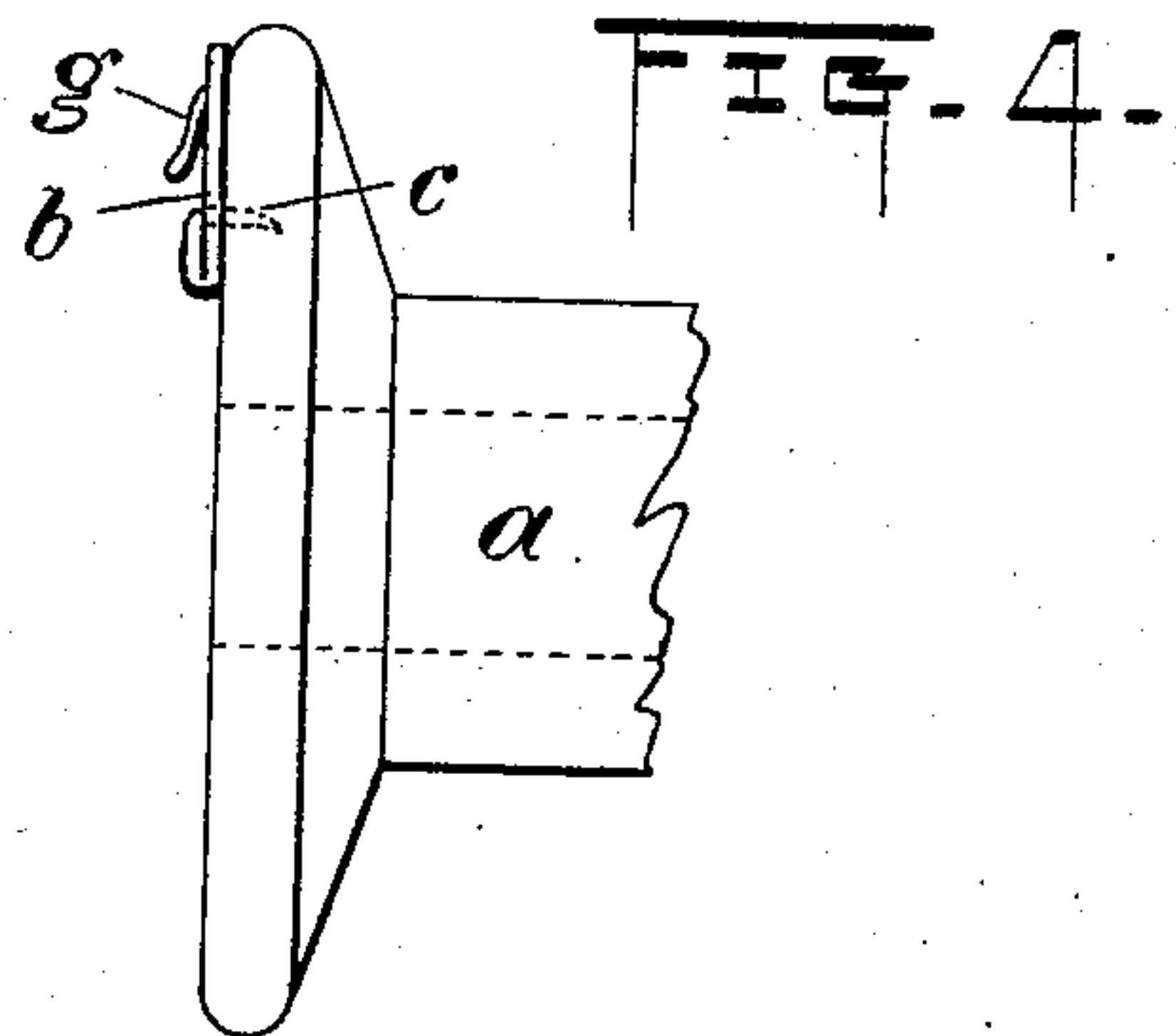
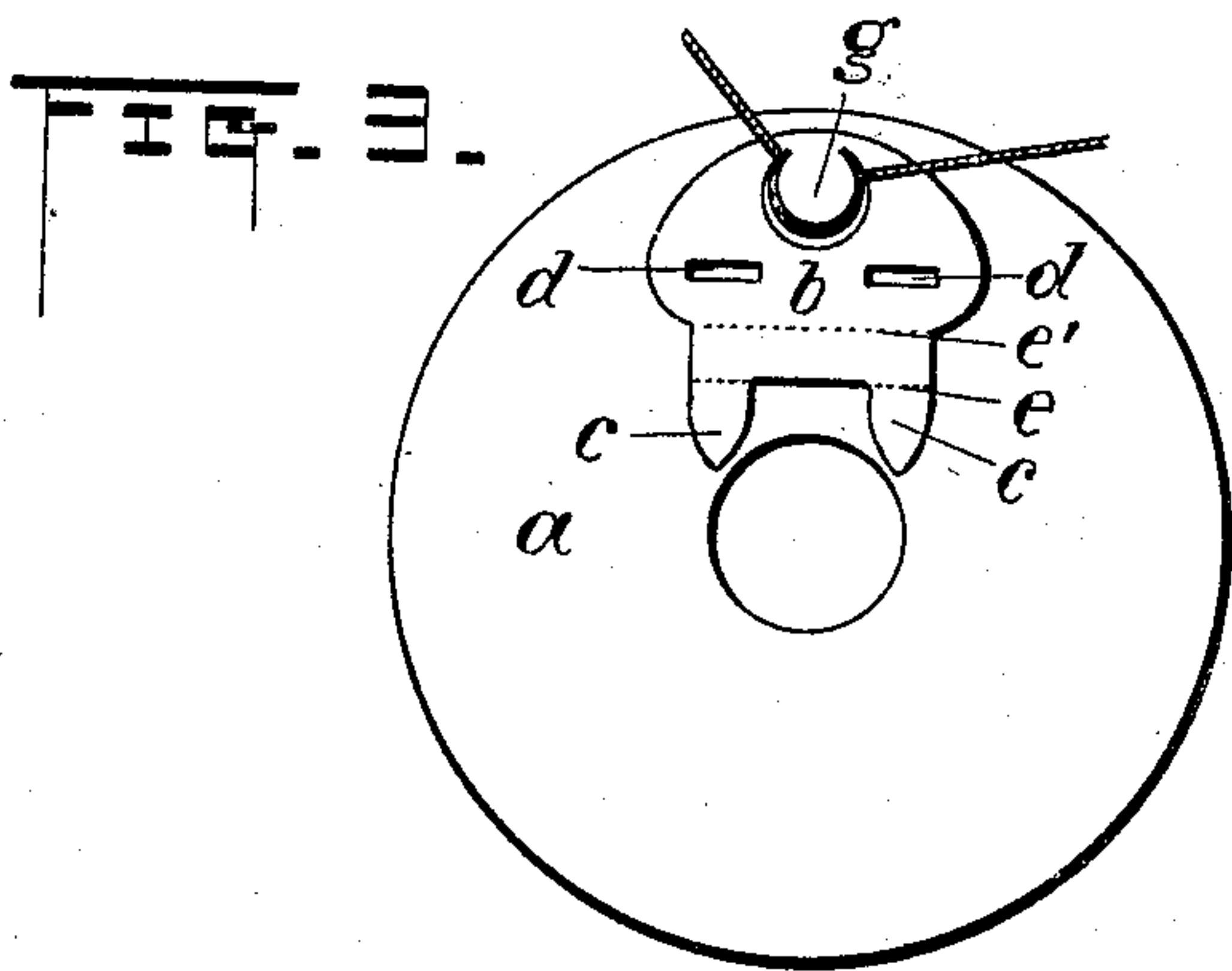
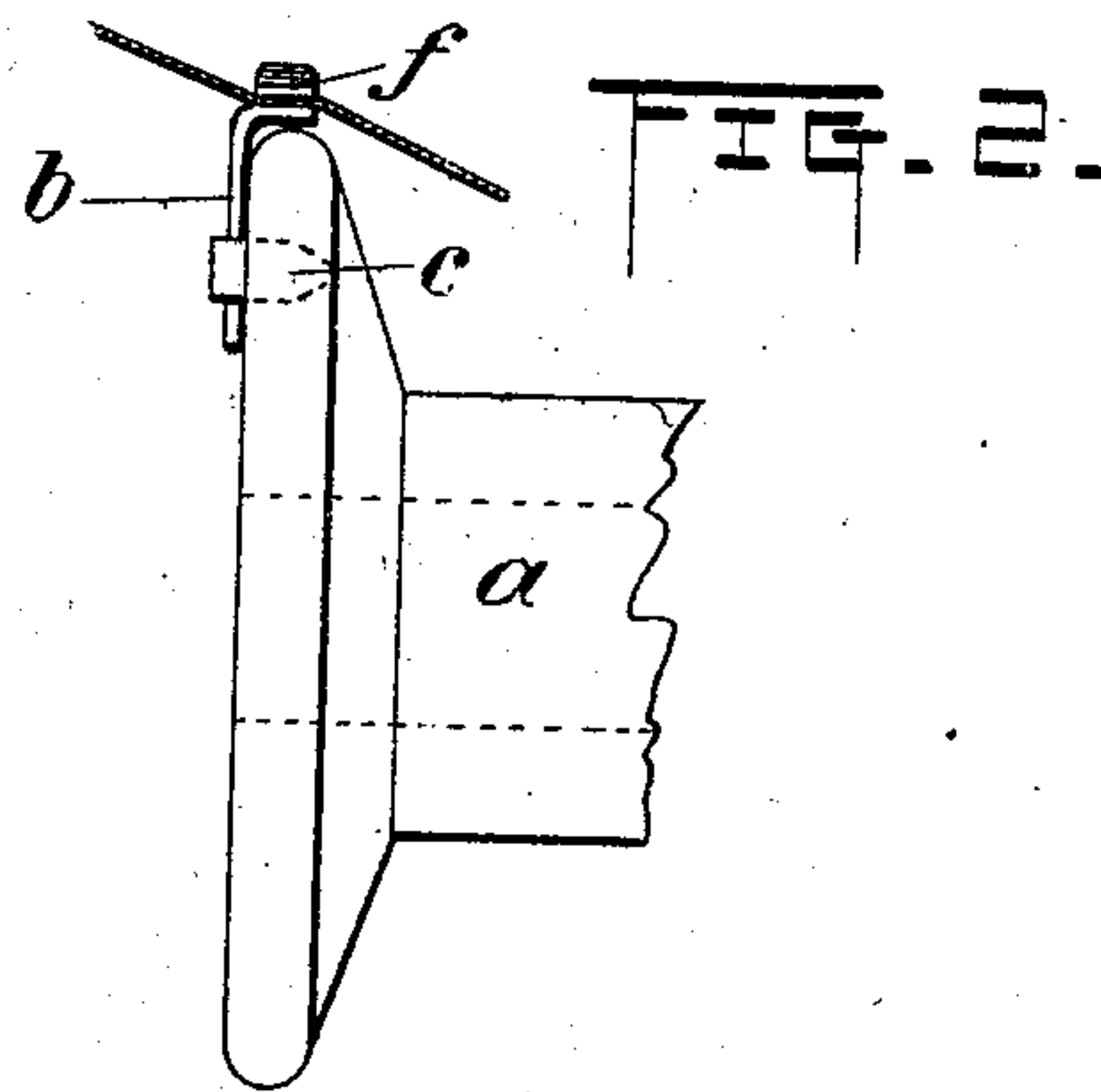
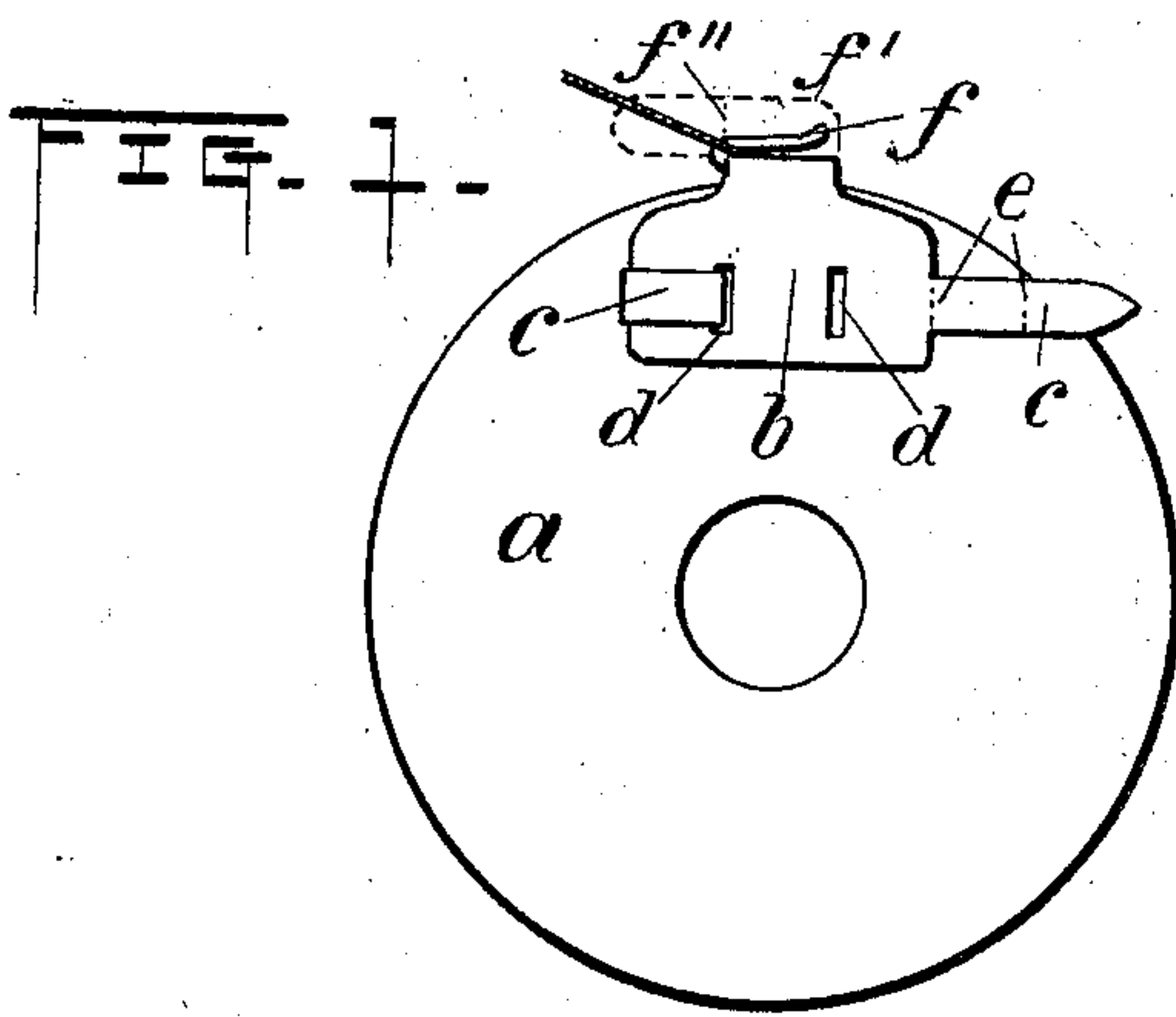


No. 889,429.

PATENTED JUNE 2, 1908.

H. R. BENDA.
THREAD CUTTING CLIP.
APPLICATION FILED OCT. 11, 1907.



Witnesses:
E. J. Hogan
Harry F. Pieper.

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UNITED STATES PATENT OFFICE.

HARRY R. BENDA, OF NEW YORK, N. Y.

THREAD-CUTTING CLIP.

No. 889,429.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed October 11, 1907. Serial No. 396,986.

To all whom it may concern:

Be it known that I, HARRY R. BENDA, a citizen of the United States, residing at New York, county and State of New York, have invented certain new and useful Improvements in Thread-Cutting Clips; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, forming part of this specification and illustrating one way in which my invention may be carried into effect, and in which
Figures 1, 3 and 5 are end views and Figs. 2, 4 and 6 side views of a spool with my thread clip.

This invention relates to devices designed to be fastened or attached to, and forming part of, spools, reels and coils, or equivalent containers of, or means for receiving, wound or laid thereon, thread and similar fabrics, thin wire, or fibers of different nature, with the object and for the purpose of holding and retaining their outer ends, which devices at the same time afford a ready and simple means of and for severing or cutting off from the contents of such spools, or coils of thread, etc., any desired part of the same, more particularly in such a manner as to cause the holding or retaining of the outer end of the coil of thread as a more or less direct consequence of the severing of the same.

A further object of my invention is to provide efficient and simple ways and means for firmly securing and attaching such and similar devices to spools and kindred devices.

In my application for United States Letters Patent Serial No. 383,036 for "Thread cutting clips" filed July 10th 1907, I have described a device of such a nature in which, to hold and retain the end of the thread or similar article, the same is pressed against the rim of the spool, or equivalent, by a spring-finger or resilient member of the device.

The object of the present invention is to provide a thread cutting clip which is adapted to be fastened to, and used on, spools the rims of which are either of a round contour or otherwise unsuited for that purpose.

I accomplish this object by designing such a thread cutting clip in a "self contained" form, or holding the end of the thread irrespective of the form of the spool or container, by providing it with an independent clamp.

Referring now to the drawing, in which like characters of reference indicate like parts in all of the views, *a* represents a spool suitable for thread or the like. The body portion *b* of my new thread holding and cutting device or clip is attached to the flat end of the spool by means of tongues *c* which form integral parts of the clip and which are bent over on themselves, preferably in two places, to enter the body or material of spool *a* through slits *d* provided in said body part *b* of the clip. Of the two bends of the tongues, which are ordinarily parallel to each other, one is approximately of 180° and the other of about 90°. The position of these bends before the clip is fastened to the spool is indicated on the tongues by dotted lines, as at *e*. To give greater stiffness and strength to the clip and to the tongues, the bend which is of 180°, as *e'* Fig. 3, may have a greater width than the bend of 90°.

In Figs. 3 and 5 the tongues *c'* are shown after being "blanked" and before being bent, while in Figs. 2, 4 and 6 the tongues are shown bent and projecting into the flat end of the respective spools.

The thread holding and cutting device is shown to consist in Fig. 1 of a projecting part *f* which is bent over the rim of the spool approximately at right angles, and its end bent again, but at about 180° and in a plane parallel to that of the flat end of the spool, thereby constituting a spring-finger or resilient extremity and forming a notch at the apex of which the cutting edges are located, that is at the terminals of line *f''* (dotted). Broken line *f'* indicates the position of part *f* before it is bent into a clamp.

In Fig. 3 the thread is yieldingly held or pinched through the medium of a resilient part, or spring-finger, as *g*, which is partly gouged out of, or raised from, the body portion *b* by the aid of an incision, at the terminals of which are located the cutting edges.

In Figs. 5 and 6 a resilient clamp is shown to be formed by extremity *h* which is bent over on itself about 180° from its blanked position as indicated by broken line *h'*, the cutting edges being also located at the terminals of the line on which part *h* is bent into a clamp.

The arrangement of the clips shown in Figs 3 and 5 being symmetrical it is obvious that the thread may be drawn in under the respective clamp from either the right or the left side, according to the way the thread is

wound on the spool, while the clip shown in Fig. 1 may be fastened to either end of the spool and thereby be adapted to spools wound right or left. By arranging the clamp
5 on the periphery of the rim of the spool it becomes practicable to place two or more spools of thread on a spindle, on top of one another, as is often done on sewing machines, without interfering with the operation of the
10 clip.

Having described my invention and in what manner the same may be carried into effect, what I claim as new and desire to secure by Letters Patent is:

A thread cutting clip comprising a body 15 portion provided with slits, tongues integral therewith adapted to project into the spool through said slits whereby the said clip is fastened to said spool, and a resilient clamp for pinching the thread independently of the 20 spool, said clamp affording cutting edges.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY R. BENDA.

Witnesses:

E. J. VOGAN,

HARRY F. PIEPER.